

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P1191837

Luminaire Tested: **LDA4A30940D010TE LAR15SP 4LFC1**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1191837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26141)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A30940D010TE LAR15SP 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

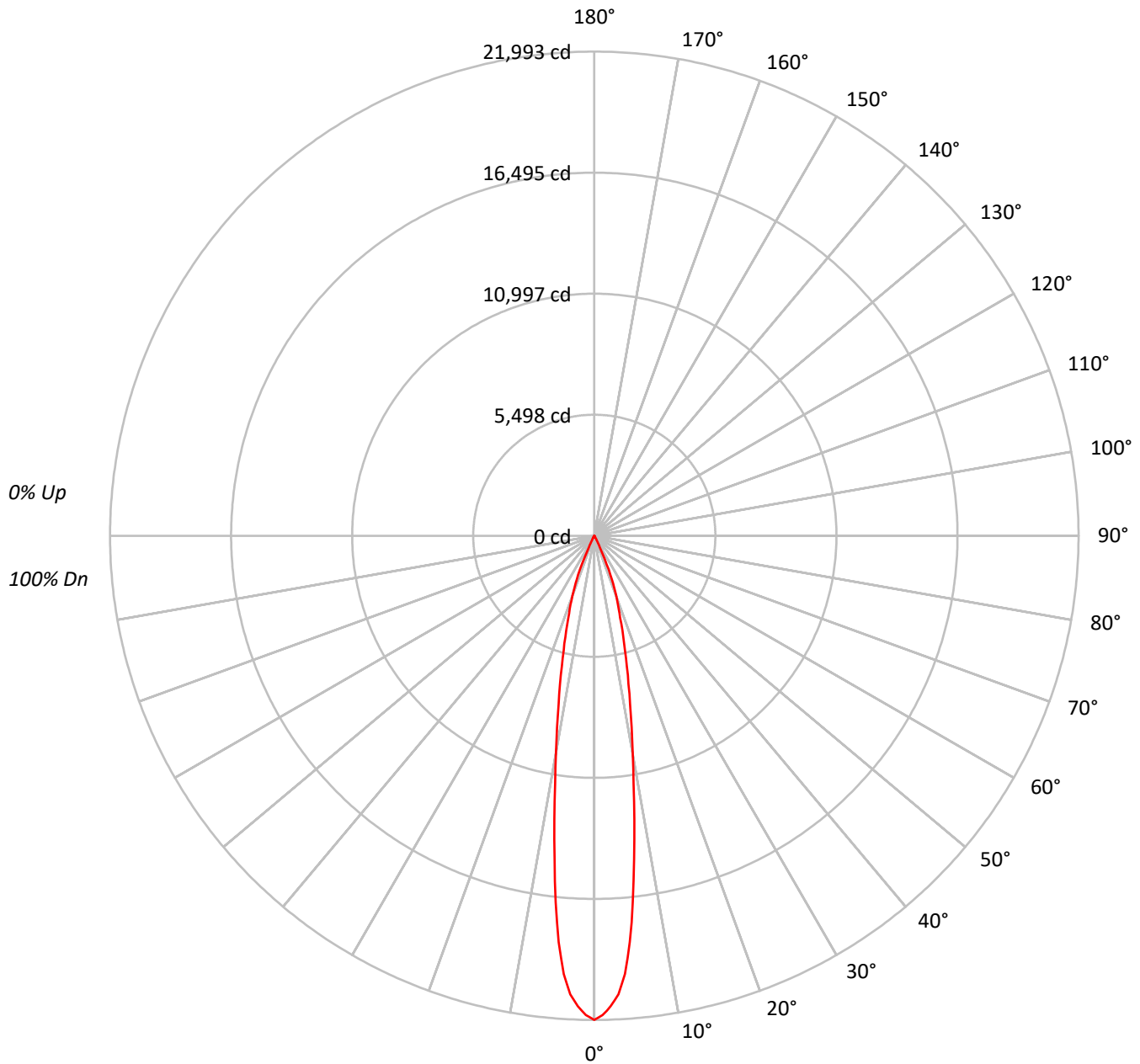
Lumens per Lamp: N/A
Luminaire Lumens: 3472.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	112	110	113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	103	110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	98	107	103	100	98		101	98	96		98	96	95		96	95	93
4	106	101	97	94	104	100	97	94		98	95	93		96	94	92		94	92	91
5	103	98	94	91	102	97	93	91		95	92	90		94	91	89		92	90	89
6	100	95	91	88	99	94	91	88		93	90	87		92	89	87		91	88	86
7	98	92	88	86	97	92	88	86		91	87	85		90	87	85		89	86	84
8	96	90	86	83	95	89	86	83		88	85	83		88	85	83		87	84	82
9	94	88	84	81	93	87	84	81		86	83	81		86	83	81		85	82	81
10	91	85	82	79	91	85	82	79		84	81	79		84	81	79		83	81	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2712691
5°	2293632
10°	1256956
15°	686153
20°	382234
25°	88327
30°	17091
35°	4924
40°	1755
45°	645
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1458.7	42.0
10°-20°	1526.1	44.0
20°-30°	457.6	13.2
30°-40°	26.5	0.8
40°-50°	3.1	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3442.4	99.1
0°-40°	3468.9	99.9
0°-60°	3472.0	100.0
0°-90°	3472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3472.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21993	
5°	18524	###
15°	5373	1526
25°	649	458
35°	33	26
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21992.6
1°	21776.3
2°	21385.5
3°	20862.0
4°	19956.8
5°	18524.4
6°	16752.1
7°	14823.6
8°	13031.3
9°	11393.5
10°	10035.7
11°	8859.5
12°	7814.3
13°	6911.0
14°	6102.1
15°	5373.3
17.5°	3904.5
20°	2912.0
22.5°	1919.6
25°	649.0
27.5°	225.4
30°	120.0
32.5°	60.0
35°	32.7
37.5°	18.2
40°	10.9
42.5°	5.4
45°	3.7
47.5°	1.8
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0

Classified

Scaled Data Report

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)